

Pillar Drills

Located in the wood shop, we have two pillar drills - instructions and risk assessments are here

- [!\[\]\(c8dce68b26731c7aa5915072fc9d68dd_img.jpg\) Training manual](#)
- [!\[\]\(76b3245de86167eba9fcdc9cc9f32aa4_img.jpg\) Risk Assessment](#)
- [!\[\]\(13db7587f50867332e5bedc6a161739d_img.jpg\) Instruction manuals](#)

Training manual

In preparation.

Risk Assessment

Download link: [#210 - Pillar Drills - 260819.pdf](#)

#	Identify Hazards	Risks	Who maybe Harmed	Severity	Control Measures	Likelihood	Risk Rating
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1	Electricity	Electric shock	User	High	All electrical equipment should be checked for electrical safety prior to use. Equipment must not be used unless they have a PAT test label on. It is the users responsibility to do a visual check of the equipment. If any defects are found (i.e. cracked casing, defect in lead etc) the equipment is not to be used, to be quarantined, safety officer informed, and a defect label attached. Induction covers inspection of equipment before usage	Low	Med
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2	Misuse of equipment	Damage to user or equipment	User, Bystander	High	Members are inducted into the correct use of the equipment and understand associated risks. Members found to be deliberately misusing equipment may have their use of the machine restricted or revoked altogether.	Low	Med
3	Contact with Drill, Cutter	Laceration injury Piercing Injury	User	High	Do not put hands into a position where they can come in contact with the drill or cutter. Induction covers correct usage of equipment	Low	Med

4	Gloves, Loose Clothing, Loose Hair	Drawing in (being pulled into the drill or cutter)	User	High	User of the pillar drill should not wear gloves, ties, scarves, or loose clothing that could get pulled into the blade. Induction covers correct attire.	Low	Med
5	Dust	Inhalation, Fire	User, Bystander	Med	Dust extraction should be used as appropriate The pillar drill should be cleaned down on completion of use, this should include around the machine and floor. A respirator or mask should be used as required whilst operating this tool. Induction covers location of Respirator and cleaning process.	Low	Med

6	Drill Bit	Drill jamming or breaking	User, Bystander	High	Use the correct cutting tool for the material being drilled, use cooling appropriate to the material. Do not force the drill or cutter through the material this will cause the tool to blunt and overheat. Induction covers correct cutting tool and material usage.	Low	Med
7	Noise	Hearing Damage	User, Bystander	Med	Ear protection is advised. Induction covers location of Ear Protection	Low	Low
8	Flying swarf	Eye Damage	User, Bystander	High	Eye protection must be worn. Induction covers location of Eye Protection	Low	Med

9	Unintended rotation of workpiece	Drawing In, Crushing Injury	User	High	The piece being drilled should be clamped down using appropriate clamping devices or held in a machine vice. Induction covers location and correct usage of clamping devices.	Med	Med
10	Swarf	Laceration Injury	User	Med	Eye protection must be worn at all times. Swarf must only be removed when the cutter is no longer rotating using a metal scraper Under no circumstances should swarf be removed using hands.	Low	Med
11	Other Members	Distraction	User, Bystander	High		Low	Med

Instruction manuals

[Starlite Mercury pillar drill \(floor mounted\)](#)